

DECLARATION OF PERFORMANCE Nr 0221

1. Unique identification code of the product-type: **GEOLITE 40**
2. Intended use/es:
 - a. **Repair products for concrete, used in buildings and civil engineering works according to principles 2 (MC), 5 (PR) and 8 (IR).**
 - b. **Repair products for concrete, used in buildings and civil engineering works according to principles 3 (CR), 4 (SS) and 7 (RP).**
 - c. **Repair products for concrete, used in buildings and civil engineering works according to principle 4 (SS).**
 - d. **Repair products for concrete, used in buildings and civil engineering works according to principle 11 (CA).**
3. Manufacturer: **Kerakoll Polska sp. z o.o., ul. Katowicka 128, 95-030 Rzgów**
4. System/s of AVCP:
System 2+
System 4 for reaction to fire
5. Harmonised standard:
 - a. **EN 1504-2:2004**
 - b. **EN 1504-3:2005**
 - c. **EN 1504-6:2006**
 - d. **EN 1504-7:2006**

Notified body/ies: **Sieć Badawcza Łukasiewicz - Instytut Ceramiki i Materiałów Budowlanych Nr 1487**

6. Declared performance/s:

a.

| Essential characteristics | Performance |
|---|--|
| Reaction to fire | Class A1 |
| Permeability to water vapour Capillary absorption and permeability to water Adhesion strength by pull-off test Linear shrinkage Coefficient of thermal expansion Abrasion resistance Resistance to thermal shock Impact resistance | Class I, $S_D < 5$ m $w < 0,1 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0,5}$ $\geq 2,0 \text{ N/mm}^2$ $\leq 0,3\%$ $\alpha_t \leq 30 \cdot 10^{-6} \text{ }^\circ\text{K}^{-1}$ weight loss $< 3000 \text{ mg}$ adhesion strength $\geq 2,0 \text{ N/mm}^2$ Class III |
| Release of dangerous substances | NPD |

kerakoll

EN.PL.0221.011

b.

| Essential characteristics | Performance |
|-------------------------------------|--|
| Reaction to fire | Class A1 |
| Compressive strength | Class R4 |
| Chloride ion content | ≤ 0,05 % |
| Adhesive bond | ≥ 2,0 MPa |
| Thermal compatibility (freeze-thaw) | ≥ 2,0 MPa |
| Capillary absorption | ≤ 0,5 kg · m ⁻² · h ^{-0,5} |
| Elastic modulus CC | ≥ 20 GPa |
| Elastic modulus PCC | ≥ 20 GPa |
| Carbonation resistance | Pass |
| Release of dangerous substances | NPD |

c.

| Essential characteristics | Performance |
|---------------------------------|---------------------------|
| Reaction to fire | Class A1 |
| Pull-out strength displacement | ≤ 0,6 mm at load of 75 KN |
| Chloride ion content | ≤ 0,05 % |
| Release of dangerous substances | See SDS |

d.

| Essential characteristics | Performance |
|---------------------------------|-------------|
| Shear adesion | Pass |
| Corrosion protection | Pass |
| Release of dangerous substances | NPD |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **Michał Wróblewski (legal representative)**

At Rzgów, on 05/09/2025

